

5 **What is claimed is:**

1. A treated textile having applied thereon a treating composition,
comprising:

(a) a textile substrate;

(b) a treating composition, said treating composition comprising:

10 (i) a fluorochemical-containing soil release component;

(ii) an antimicrobial agent;

(iii) a further component which is either:

a crosslinking component, or

a fluorochemical- containing repellent component;

15 wherein said treating composition is applied to said textile substrate in a
concentration of less than about 6 weight percent of said fluorochemical-
containing soil release component based upon the weight of the treating
composition.

2. The treated textile of claim 1 wherein said fluorochemical-containing
soil release component comprises a polymeric material selected from the group
consisting of: acrylate-containing polymers, methacrylate-containing polymers
urethane-containing polymers, and fluorinated esters.

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3. The treated textile of claim 1 wherein said further component is a hydrophobic crosslinking component, further wherein said hydrophobic crosslinking component comprises a derivative of isocyanate.

4. The treated textile of claim 3 wherein said derivative of isocyanate comprises a blocked isocyanate.

5. The treated textile of claim 1 wherein said antimicrobial agent comprises an agent selected from the group consisting of:
organic antimicrobial agents, silver-containing resins, silver-containing zeolites,
5 silver-containing glass, silver-based ion exchange compounds, triclosan,
inorganic antimicrobial materials, metal based zeolites, metal salts, metal oxides,
metal hydroxides, transition metal ions, zinc oxide, pyrithione and derivatives
(Zinc Omadine), tributyl oxide derivatives, 3-iodo-2-propylbutyl carbamate, n-
butyl-1, 2 benziso thiazoline, 10, 10'- oxybisphenoxiarsine, and sodium o-
10 phenylphenate.

6. The treated textile of claim 5 wherein said antimicrobial agent comprises Zinc Omadine.

7. The treated textile of claim 1 wherein said further component (iii) of said treating composition comprises a fluorochemical-containing repellent component.

8. The treated textile of claim 7 wherein said composition additionally comprises a crosslinking component.

5 9. The treated textile of claim 8 wherein said crosslinking component is hydrophobic.

10. The treated textile of claim 9 wherein said fluorochemical-containing repellent component comprises a composition selected from the group consisting of: fluorinated esters, fluorinated urethanes, and fluorinated (meth)acrylates.

11. The treated textile of claim 1, wherein said treated textile is provided with two opposed sides, further wherein said treated textile includes said treating composition on one side only of said treated textile.

12. A composition for treating a textile, said composition consisting essentially of:

(a) a fluorochemical-containing soil release component;

5 (b) a crosslinking component; and

(c) an antimicrobial agent;

wherein said fluorochemical-containing component is provided in a concentration of less than about 6 weight percent based upon the total weight of said composition.

13. A textile having applied thereon the composition of claim 12.

14. A textile treating composition consisting essentially of:

(a) a fluorochemical-containing soil release component;

(b) a crosslinking component;

5 (c) an antimicrobial agent; and

(d) a fluorochemical-containing repellent component.

15. A composition comprising:

(a) a fluorochemical-containing soil release component;

(b) a hydrophobic crosslinking component;

5 (c) an antimicrobial agent; and

(d) an antistatic component.

16. The composition of claim 15 wherein said antistatic component comprises a graphite-containing material.

17. A textile having applied thereon the composition of claim 15.

18. The composition of claim 15 wherein said antimicrobial agent comprises a silver-containing material.

19. The composition of claim 15 wherein said antimicrobial agent comprises a pyrithione-containing material.

20. The composition of claim 19 wherein said antimicrobial agent comprises a zinc pyrithione.

5 21. A composition for treating a textile or a fabric, comprising:

- (a) a fluorochemical-containing soil release component;
- (b) an antimicrobial agent; and
- (c) a fluorocarbon repellent component.

10 22. The composition of claim 21 further comprising:

- (d) a cross-linking component.

23. The composition of claim 22 wherein the said fluorochemical-containing soil release component and said fluorocarbon repellent

15 component, when combined together, comprise no more than about 6 weight
percent of said composition.

24. A textile treated with a composition, the composition comprising:

- 20 (a) a fluorochemical-containing soil release component;
- (b) an antimicrobial agent; and
- (c) a further component, said further component being:

 a crosslinking component, or

 a fluorocarbon repellent component;

25 wherein said treated textile exhibits according to modified AATCC Test
Method 130-1981 a stain release value to corn oil and tanning oil or burned
motor oil of at least about 3.

5 25. The composition of claim 24 wherein said treated textile exhibits
according to modified AATCC Test Method 130-1981 a stain release value to
corn oil and tanning oil or burned motor oil of at least about 3 as received and
after 500 cycles abrasion.

26. The composition of claim 24 wherein said fluorochemical-containing
soil release component comprises a polymeric material selected from the group

5 consisting of: acrylate-containing polymers, methacrylate-containing polymers
urethane-containing polymers, and fluorinated esters.

27. The composition of claim 24 wherein said crosslinking component is hydrophobic and comprises an isocyanate material.

28. The composition of claim 26 wherein said hydrophobic crosslinking component comprises a blocked isocyanate.

29. The composition of claim 24 wherein said antimicrobial agent comprises an agent selected from the group consisting of: organic antimicrobial agents, silver-containing resins, silver-containing zeolites, silver-containing glass,
5 silver-based ion exchange compounds, triclosan, inorganic antimicrobial materials, metal based zeolites, metal salts, metal oxides, metal hydroxides, transition metal ions, zinc oxide, pyrithione containing materials (Zinc Omadine), tributyl oxide derivatives, 3-iodo-2-propylbutyl carbamate, n-butyl-1, 2 benzisothiazoline, 10, 10'-oxybisphenoxi arsine, sodium o-phenylphenate.

30. The composition of claim 29 wherein said antimicrobial agent comprises Zinc Omadine.

31. The composition of claim 24 wherein said composition comprises both a hydrophobic crosslinking component and a fluorocarbon repellent component.

32. The composition of claim 24 wherein said composition additionally comprises:

(d) an antistatic component.

33. A textile treated with a composition comprising:

--a substrate, and

--a treating composition of:

--a fluorochemical-containing soil release component;

--a further component selected from (a) or (b):

(a) a crosslinking component;

(b) a fluorochemical-containing repellent; and

--an antimicrobial agent;

--further wherein said textile exhibits according to modified AATCC Test Method 147 the inhibition of microbial growth upon said textile.

34. The textile of claim 33 wherein the composition of said fluorochemical-containing soil release component comprises a polymeric material selected from the group consisting of:

5 acrylate-containing polymers, methacrylate-containing polymers, urethane-
containing polymers, and fluorinated esters.

35. The composition of claim 33 wherein said crosslinking component
comprises a derivative of isocyanate.